


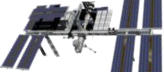
 Cargo Launch and Return

CELV


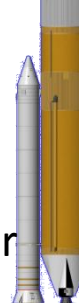
 or 

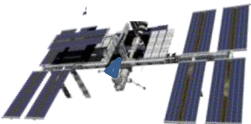
2010-2014
Development of Cargo and Crew Launch/Return Vehicles and HLV

 Crew Launch and Return

 ISS serves as testbed

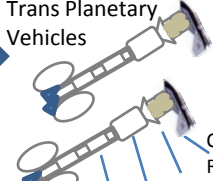
HLV

 or 

 ISS serves as testbed for Planetary Systems, Assembly base for Cislunar and Trans-planetary Vehicles

2015-2020
Development of Cislunar and Trans-planetary Vehicles (CTPV)

Cislunar and Trans Planetary Vehicles



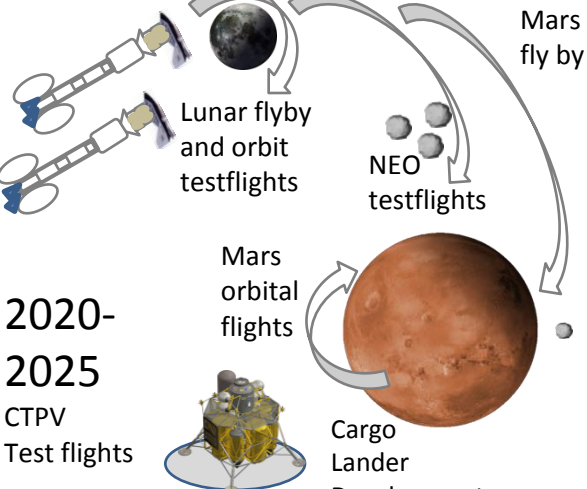
VASIMIR Propulsion

Nuclear Powerplant

Truss for Consumables Storage, spacing From nuclear powerplant

Crew Return Cargo Return

Habitat based on ISS



Lunar flyby and orbit testflights

NEO testflights

Mars fly by

Mars orbital flights

Cargo Lander Development

2020-2025
CTPV Test flights

Cargo Prepositioning




2025-2030
Crew Lander and Light Rover development



Crew Lander Development



Light Rover Development

 First Humans on Mars

2025-2030
Heavy Rover and Surface Habitat Development



2035-2040
Habitat Emplacement

